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RELIABILITY PREDICTION

Model : QP-200D Data:2001-11-23

Style	Part Type	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	58	0.003700	10	2.146000	34.485
9.1	Resistor-Wirewound Power (RW)	2	0.008500	10	0.170000	2.732
9.1	Resistor-Film, Variable (RVC)	2	0.040000	10	0.800000	12.856
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.225
10.1	Capacitor-Metal, Plastic (CH)	20	0.000510	10	0.102000	1.639
10.1	Capacitor-Ceramic(Gen.) (CK)	16	0.001700	10	0.272000	4.371
10.1	Capacitor-Aluminum Dry (CE)	21	0.001300	10	0.273000	4.387
6.1	Diode-Switching	19	0.000940	8	0.142880	2.296
6.1	Diode-Fast Recovery Power Rectifier	3	0.023000	8	0.552000	8.870
6.1	Diode-Power Rectifier / Schottky Power	8	0.002800	8	0.179200	2.880
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	4	0.003300	8	0.105600	1.697
6.1	Diode-Transient Suppressor/Varistor	1	0.002900	8	0.023200	0.373
6.10	Diode-Thyristor/SCR	1	0.002500	8	0.020000	0.321
6.3	Transistor-NPN/PNP	1	0.000150	8	0.001200	0.019
6.4	Transistor-MOSFET	2	0.014000	8	0.224000	3.600
6.11	OPTO-isolator	2	0.027000	8	0.432000	6.942
6.11	OPTO-Emitter	1	0.000470	8	0.003760	0.060
5.1	Linear Microcircuits	5	0.009500	10	0.475000	7.633
11.1	Transformer Switching	1	0.000610	3	0.001830	0.029
11.2	Coil Fixed inductor or choke	7	0.000032	3	0.000672	0.011
15.1	Connector- Rectangular	2	0.050000	2	0.200000	3.214
17.1	Single Connections-Reflow solder	441	0.000069	1	0.030429	0.489
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.004
22.1	Fuses	1	0.010000	1	0.010000	0.161
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	0.707
Total Failure rate:					6.223011	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**
- **Exclude: FAN**

MTBF: 160693.91 **hrs**

Approved by: Compiled by: